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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/501,045	02/09/2000	Glenn T. Colon-Bonet	10971158-1	3338

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EXAMINER

DO, CHAT C

ART UNIT	PAPER NUMBER
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2124

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DATE MAILED: 05/28/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/501,045	COLON-BONET, GLENN T.	
	Examiner	Art Unit	
	Chat C. Do	2124	

-- The MAILING DATE of this communication appears on the cover sheet with the corresponding address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 March 2003.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-13,15-19 and 22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-13,15-19 and 22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 February 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This communication is responsive to Amendment B, filed March 25 2003.
2. Claims 1-2, 4-13, 15-19, and 22 are pending in this application. Claims 1, 7, 13, and 19 are independent claims. In Amendment B, claims 1, 4-5, 7-9, 12-13, 15, and 19 are amended. This action is made final.
3. Claims 3, 14, 20, and 21 are cancelled.

Drawings

4. Figures 1 and 2A-2D should be designated by a legend such as --Prior Art-- because they are cited in the description of related art section as a traditional encoding. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
6. Claims 7-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Re claim 7, the limitation “generating a sum value including at least ... PKG recoded number” is indefinite. For examination purposes, the examiner considers this limitation as generating an intermediate value. Claim 13 also has the same problem.

Re claim 8, it recites a limitation “forwarding a first result...from said generating” in lines 2-4 that forward the “result”, but the claim does not set forth any steps involved in the method for utilizing the result. The claim is indefinite where it merely recites a use without any active, positive steps delimiting how this use is actually practiced.

Thus, claims 9-12 and 15-18 are also rejected for being dependent on the rejected base claims 7, 8, and 13.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

8. Claims 1-2, 4-13, 15-19, and 22 are rejected under 35 U.S.C. 102(e) as being anticipated by Bradley (U.S. 6,496,846).

Re claim 1, Bradley discloses in Figure 1 an apparatus performing the addition of a PKG recoded number (abstract) comprising a circuitry (105 and 102) configured to receive at least a first value (PKG0 of 106-1) and a second value (PKG1 of 106-1); and a first adder (left half portion of 105 wherein 107-1, 108-1, 109-1 and PKG0) configured to

add first value (PKG0 of 106-1) and second value (PKG1 of 106-1), wherein second value is at least one of a P, K, G value of PKG recoded number (PKG1 of 106-1 and col. 2 lines 25-28 and col. 4 lines 9-17) and first adder generates a carry-out value (CINL and CINH to the next sequence adder) and at least one of a P, K, G value (P_{IN} , K_{IN} , G_{IN} and col. 4 lines 25-30 and lines 42-49) of PKG recoded number wherein circuitry generates a sum value (SUM or output of 102) and a carry value (CINL and CINH to the next sequence).

Re claim 2, Bradley further discloses in Figure 1 sum value and carry value are dual rail encoded values (col. 3 lines 35-47).

Re claim 4, Bradley further discloses in Figure 1 the circuitry further comprising a second adder (102) configured to add second PKG (P_{IN} , K_{IN} , G_{IN} and col. 4 lines 25-30 and lines 42-49) recoded number (output from 107-1, 108-1, and 109-1) from first adder (left half portion of 105 wherein 107-1, 108-1, 109-1 and PKG0) and a carry-in value (CINH and CINL from the previous block).

Re claim 5, Bradley further discloses in Figure 1 the first value is at least one of a P, K, G value of a PKG recoded number (106-1).

Re claim 6, it has the same limitation as cited in claim 2. Thus, claim 6 is also rejected under the same rationale in the rejection of rejected claim 2.

Re claim 7, it is a method claim of claim 1. Thus, claim 7 is also rejected under the same rationale in the rejection of rejected claim 1.

Re claim 8, Bradley further discloses in forwarding a first result including at least one of a P, K, G value from generating (Figure 1).

Re claim 9, Bradley further discloses in Figure 1 adding first result (P_{IN} , K_{IN} , G_{IN} and col. 4 lines 25-30 and lines 42-49) and a carry-in values ($CINH$ and $CINL$ from the previous block); generating a final sum ($SUMH$ and $SUML$) value from adding; and generating a final carry-out value ($CINL$ and $CINH$ to the next sequence) from adding.

Re claim 10, it is a method claim of claim 2. Thus, claim 10 is also rejected under the same rationale in the rejection of rejected claim 2.

Re claim 11, it is a method claim of claim 5. Thus, claim 11 is also rejected under the same rationale in the rejection of rejected claim 5.

Re claim 12, it is a method claim of claim 2. Thus, claim 12 is also rejected under the same rationale in the rejection of rejected claim 2.

Re claim 13, it is a method claim of claim 1. Thus, claim 13 is also rejected under the same rationale in the rejection of rejected claim 1.

Re claim 15, Bradley further discloses in Figure 1 means (Figure 2) for adding first result (P_{IN} , K_{IN} , G_{IN} and col. 4 lines 25-30 and lines 42-49) and a carry-in value ($CINH$ and $CINL$ from the previous block) to generate a final sum value ($SUML$ and $SUMH$) and a final carry-out value ($PKG0$, $CINH$ and $CINL$ to the next sequence).

Re claim 16, it is a means claim of claim 2. Thus, claim 16 is also rejected under the same rationale in the rejection of rejected claim 2.

Re claim 17, it is a means claim of claim 5. Thus, claim 17 is also rejected under the same rationale in the rejection of rejected claim 5.

Re claim 18, it is a means claim of claim 2. Thus, claim 18 is also rejected under the same rationale in the rejection of rejected claim 2.

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Re claim 19, it is an apparatus claim of claim 1. Thus, claim 19 is also rejected under the same rationale in the rejection of rejected claim 1.

Re claim 22, it is an apparatus claim of claim 4. Thus, claim 22 is also rejected under the same rationale in the rejection of rejected claim 4.

Response to Arguments

9. Applicant's arguments with respect to claims 1-2, 4-13, 15-19, and 22 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chat C. Do whose telephone number is (703) 305-5655. The examiner can normally be reached on M => F from 7:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chaki Kakali can be reached on (703) 305-9662. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Chat C. Do
Examiner
Art Unit 2124

May 21, 2003



**CHUONG DINH NGO
PRIMARY EXAMINER**